

215653US-2-PCT

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JC17 Rec'd PCT/PTO 13 NOV 2001

IN THE UNITED STATES PATENT & TRADEMARK OFFICE

IN RE APPLICATION OF :
GUILLAUME LAFFONT ET AL : ATTN: APPLICATION DIVISION
SERIAL NO: NEW APPLICATION :
(Based on PCT/IB01/01814)
FILED: HERewith :
FOR: REFRACTOMETER WITH :
BLAZED BRAGG GRATINGS

7/A
PB

3-25-03

PRELIMINARY AMENDMENT

ASSISTANT COMMISSIONER FOR PATENTS
WASHINGTON, D.C. 20231

SIR:

Prior to a first examination on the merits, please amend the above-identified
application as follows:

IN THE CLAIMS

Please cancel Claims 1-11 without prejudice.

Please add new Claims 12-22 as follows:

12. (New) System for measuring the refractive index of at least one medium
comprising:

Al
a waveguide comprising at least one transducer formed, in the part of the waveguide
brought into contact with the medium, by a blazed Bragg grating, the spectral response of
which depends on the refractive index of the medium by means of energy coupling between
the guided mode and cladding modes and/or a continuum of radiative modes,